

ABSTRACT OF THE DISCLOSURE

Disclosed is a computing system comprising at least one random access memory (RAM) and a processor. The RAM includes a storage location containing filesystem data with associated page table entries, and each page table entry includes a read/write flag for the filesystem data. The filesystem data is initially mapped for read-only access. The processor is configured to remap the filesystem data for write access by modifying the read/write flag of the page table entries; to perform a write operation on the filesystem data in write access, and to remap the filesystem data back for read-only access by modifying the read/write flag of the page table entries. The computing system also uses filesystem that is mounted in the RAM to manage filesystem data. The filesystem protects the filesystem data from errant writes by modifying page table entries associated with the filesystem data without using a disk cache.

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